RTP 300 FR A HF

Polycarbonate

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
"A" designates a revised flame retardant formulation.
-Preliminary Product Data per RTP Co.-

General Information			
Additive	Flame retardancy		
Features	High liquidity Flame retardancy		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.21	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.75	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	430	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1900	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	132	°C	ASTM D648
1.8 MPa, not annealed	127	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	V-0		UL 94

Additional Information
Molding shrinkage, Linear-flow, ASTM D955, 0.25in: 8.5mil/inMelt Flow, ASTM D1238: 13-15 g/10 minElongation at break, ASTM D638: 10+%

Injection	Nominal Value	Unit
Drying Temperature	121	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Suggested Max Regrind	20	%
Rear Temperature	260 - 302	°C
Middle Temperature	260 - 302	°C
Front Temperature	260 - 302	°C
Mold Temperature	65.6 - 121	°C
Injection Pressure	103 - 138	MPa

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China